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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MEMORANDUM

SUBJECT: Approval of PRZM-GW for Use in Drinking Water Exposure Assessments

FROM: Donald Brady, Director
Environmental Fate and Effects Division (7507P)
Office of Pesticide Programs

TO: Environmental Fate and Effects Division (7507P)
Office of Pesticide Programs

The Pesticide Root Zone Model for GroundWater (PRZM-GW)¹ is now available for standard use in screening (Tier I) and refined (Tier II) drinking water assessments. PRZM-GW is available on the share drive (G:\Models_Repository) and EFED's Water Models website (<http://www.epa.gov/oppefed1/models/water/index.htm>). Guidance for using PRZM-GW is found in Attachments 1, 2 and 3.

During a one-year evaluation period, scientists should estimate Tier I drinking water concentrations using PRZM-GW and SCI-GROW (Screening Concentration in Groundwater). For Tier I assessments, the results from the model (either SCI-GROW or PRZM-GW) that estimates the highest EDWCs should be incorporated along with surface water EDWCs in the executive summary of the drinking water exposure assessments. For Tier II drinking water assessments, PRZM-GW should be used according to the attached user guidance. SCI-GROW is not used in Tier II drinking water assessments.

For questions concerning PRZM-GW, please contact the Water Quality Technical Team. For questions concerning installation, please contact Environmental Information and Services Branch (EISB).

Attachments:

1. Guidance for Using PRZM-GW in Drinking Water Exposure Assessments
2. Guidance for Selecting Input Parameters for Modeling Pesticide Concentrations in Groundwater Using the Pesticide Root Zone Model
3. Model and Scenario Development Guidance for Estimating Pesticide Concentrations in Groundwater Using the Pesticide Root Zone Model

¹ Baris, R.; Barrett, M.; Bohaty, R.; Echeverria, M.; Kennedy, I.; Malis, G.; Wolf, J.; Young, D *Final Report: Identification and Evaluation of Existing Models for Estimating Environmental Pesticide Transport to Groundwater*; Health Canada, U.S. Environmental Protection Agency, October 15, 2012.